Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	41	semiconductor near3 laser and (mode$1 near3 (suppres$4 or discriminat$3)) and 372/18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:59
L2	52	semiconductor near3 laser and (mode$1 near3 (suppres$4 or discriminat$3)) and 372/43.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 14:35
L3	7	semiconductor near3 laser and (mode$1 near3 (suppres$4 or discriminat$3)) and 372/50.123.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 14:35
S1	49	vcsel and (holes or recess) and 372/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/13 18:24
S2	63	vcsel and (hole$1 or recess defect$1) and 372/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/04/26 16:01
S3	63	vcsel and (hole$1 or recess or defect$1) and 372/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/04/26 16:14
S4	57	vcsel and aperture$1 and 372/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/04/26 16:15
S5	26	(vcsel and aperture$1 and 372/43.ccls.) not (vcsel and (hole$1 or recess or defect$1) and 372/43.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/04/26 16:15
S6	14	372/19.ccls. and 372/43.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/04/26 16:19
S7	244	372/43.ccls. and (ridge or post)	US-PGPUB; USPAT	OR	OFF	2004/04/27 10:39
S8	46	372/43.ccls. and (post)	US-PGPUB; USPAT	OR	OFF	2004/04/27 10:40
S9	944	372/43.ccls. vcsel and etching near3 layer	USPAT	OR	OFF	2004/04/27 16:08
S10	805	372/43.ccls. vcsel and etching adj layer	USPAT	OR	OFF	2004/04/27 16:09

S11	791	372/43.ccls. vcsel and etching adj layer and holes	USPAT	OR	OFF	2004/04/27 16:11
S12	791	372/43.ccls. vcsel and etching adj layer and holes	USPAT	OR	OFF	2004/04/27 16:12
S13	1	372/43.ccls. and vcsel and etching adj layer and holes	USPAT	OR	OFF	2004/04/27 16:12
S14	1	372/43.ccls. and vcsel and etching adj layer	USPAT	OR	OFF	2004/04/27 16:12
S15	5	372/43.ccls. and vcsel and etch$3 adj layer	USPAT	OR	OFF	2004/04/27 16:38
S16	58	vcsel and etch$3 adj layer	USPAT	OR	OFF	2004/04/27 16:40
S17	117	vcsel and etch$3 near3 stop near3 layer	USPAT	OR	OFF	2004/04/27 16:41
S18	2	(("6683898") or ("5293392")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/24 17:23
S19	1	("20020141472").PN.	US-PGPUB; USPAT	OR	OFF	2004/11/13 18:24
S20	0	("1andopticalnear3loss").PN.	US-PGPUB; USPAT	OR	OFF	2004/11/13 18:24
S21	1	S19 and optical near3 loss	US-PGPUB; USPAT	OR	OFF	2004/11/13 18:25
S22	449	loss$2 and mode$1 and surface near3 emitting near3 laser and reflectivity and (boundary or interface)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:17
S23	235	S22 and "372"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:17
S24	256	loss$2 near3 optical and mode$1 and surface near3 emitting near3 laser and reflectivity and (boundary or interface)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:17
S25	122	S24 and "372"/$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:20
S26	8	S24 and light near3 spot$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:24
S27	386850	S24 spot$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:24

S28	118	S24 and spot$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:24
S29	5699	372/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:46
S30	168	S29 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:50
S31	17	S30 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:46
S32	3901	372/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:50
S33	380	S32 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:50
S34	105	S33 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:46
S35	3116	372/46.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:56
S36	338	S35 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 19:56
S37	84	S36 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:00
S38	708	372/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:00
S39	32	S38 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:00

S40	2053	372/50.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:01
S41	278	S40 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:02
S42	61	S41 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:04
S43	1299	372/75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:03
S44	56	S43 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:03
S45	164	372/54.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:04
S46	9	S45 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:04
S47	776	372/98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:05
S48	108	S47 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:05
S49	15	S48 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:05
S50	1225	372/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:06
S51	169	S50 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:06

S52	25	S51 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:10
S53	486	372/103.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:10
S54	66	S53 and (mode near3 (selection or control or suppression or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:06
S55	625	372/18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:12
S56	109	S55 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:12
S57	605	372/19.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:12
S58	71	S57 and optical near3 loss$2	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:13
S59	66	S58 not S56	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/11/13 20:13
S60	5827	372/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:31
S61	82	S60 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:31
S62	4011	372/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:36

S63	182	S62 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:36
S64	3216	372/46.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:41
S65	140	S64 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:41
S66	119	S65 not S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:36
S67	60	S66 not S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:37
S68	741	372/49.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:42
S69	21	S68 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:47
S70	2149	372/50.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:47
S71	147	S70 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:42
S72	127	S71 not S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:42

S73	92	S72 not S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:43
S74	68	S73 not S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:43
S75	67	S74 not S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:43
S76	168	372/54.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:48
S77	2	S76 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:48
S78	645	372/18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:50
S79	22	S78 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:51
S80	619	372/19.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:52
S81	9	S80 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:52
S82	1327	372/75.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:53

S83	28	S82 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:53
S84	795	372/98.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:54
S85	18	S84 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:54
S86	1264	372/99.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:56
S87	72	S86 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:56
S88	492	372/103.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:56
S89	3	S88 and surface near3 emitting and phase and mode and refractive near3 index	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/03/30 09:56
S90	1	"20020141472"	US-PGPUB; USPAT	OR	OFF	2005/10/11 18:11
S91	98	(surface near3 (emitting or emission) near3 laser) and (holes or (emitting near3 spot$1)) and mode$1 near3 suppres$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:39
S92	29	(surface near3 (emitting or emission) near3 laser) and 372/19.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:45
S93	13	(vcsel) and 372/19.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:47

S94	4628	(vcsel) and light emiting near3 pattern$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:47
S95	0	(vcsel) and light near3 emiting near3 pattern$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:48
S96	341	semiconductor near3 laser and light near3 emitting near3 pattern$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:49
S97	30	(vcsel) and light near3 emitting near3 pattern$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:48
S98	11	semiconductor near3 laser and light near3 emitting near3 pattern$1 and (mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/11 18:52
S99	1505	semiconductor near3 laser and (mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:26
S100	219	semiconductor near3 laser with (mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:27
S101	632	372/19.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/10/13 10:47
S102	1508	semiconductor near3 laser and (mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 13:54
S103	1444	S102 not S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:27

S104	220	semiconductor near3 laser with (mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:27
S105	1237	S103 not S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:29
S106	253	semiconductor near3 laser and (oscillat$3 near3 mode$1 near3 (suppres$4 or discriminat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:32
S107	239	S106 not S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/13 11:49
S108	0	(surface near3 emitting and boundary and oscillation near3 mode and optical near3 loss).clm.	US-PGPUB	OR	OFF	2005/10/13 11:50
S109	2	(surface near3 emitting near3 laser and boundary and oscillation near3 mode).clm.	US-PGPUB	OR	OFF	2005/10/13 11:51
S110	1	(surface near3 emitting near3 laser and boundary and oscillation near3 mode) and 372/19.ccls.	US-PGPUB	OR	OFF	2005/10/13 13:53